

AMENDMENTS TO THE SPECIFICATION

Please replace Table 1 at page 45 with the following table:

Table 1

Specimen	Hydrocarbon gas flowrate (ccm)	Nitrogen flowrate (ccm)	Rare gas Flowrate (ccm)	Bias voltage on substrate (V)	Applied electric power (W)
Example 1-1	Ethylene 75	75	Argon 300	-500	500
Example 1-2	Ethylene 90	60	Argon 300	-500	500
Example 1-3	Ethylene 105	45	Argon 300	-500	500
Example 1-4	Ethylene 120	30	Argon 300	-500	500
Comparative example 1-1	Ethylene 135	15	Argon 300	-500	500
Comparative example 1-2	Ethylene 150	0	Argon 300	-500	500
<u>Comparative</u> Example 1-5	Ethylene 60	90	Argon 300	-500	500
Example 1-6	Ethylene 90	60	Argon 300	-600	500
<u>Comparative</u> Example 1-7	Ethylene 90	60	Argon 300	-700	500
<u>Comparative</u> Example 1-8	Ethylene 90	60	Argon 300	-300	500
Example 1-9	Ethylene 90	60	Argon 500	-500	500
Example 1-10	Ethylene 90	60	Helium 300	-500	500
<u>Comparative</u> Example 1-11	Ethylene 90	300	-- 0	-500	500
Example 1-12	Methane 150	150	Argon 300	-500	500
Example 1-13	Methane 150	60	Argon 300	-500	500

AMENDMENT UNDER 37 C.F.R. § 1.116
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Example 1-14	Acetylene		Argon	-500	500
	60	90	300		
Example 1-15	Acetylene		Argon	-500	500
	90	60	300		
Example 1-16	Ethylene		Argon	-500	700
	90	60	300		
Example 1-17	Ethylene		Argon	-500	300
	90	60	300		
<u>Comparative</u> Example 1-18	Hydrogen		Argon	0	700
	10	5	10		
<u>Comparative</u> Example 1-19	Hydrogen		Argon	0	700
	10	3	10		
<u>Comparative</u> Example 1-20	Hydrogen		Argon	-200	700
	10	5	10		
Comparative example 1-3	Hydrogen		Argon	0	700
	10	0	10		

Please replace Table 2 at pages 46-47 with the following table:

Specimen	Carbon	Hydrogen	Nitrogen	Rare gas	Hardness GPa	BOD1 (min)	BCD2 (min)	CSS (x1000)	FD friction (gf)	FD Durability (hour)
Example 1-1	62.0	29.5	7.4	1.1	32.7	>300	>300	>10	0.4	>300
Example 1-2	66.6	29.2	3.3	0.9	36.9	>300	263	>10	0.4	>300
Example 1-3	64.9	31.7	2.6	0.8	37.0	>300	243	>10	0.6	>300
Example 1-4	65.9	32.7	0.7	0.7	36.5	>300	5	>10	0.8	>300
Comparative example 1-1	66.4	33.0	0	0.5	38.7	>300	2	7.8	1.2	190
Comparative example 1-2	60.6	39.0	0	0.4	40.8	28	--	1.7	1.5	259
<u>Comparative Example 1-5</u>	60.9	28.0	9.6	1.5	28.1	>300	261	0.1	0.5	16
Example 1-6	67.4	28.4	3.0	1.2	37.1	>300	>300	>10	0.5	>300
<u>Comparative Example 1-7</u>	68.2	27.0	3.3	1.5	39.2	12	--	0.9	0.4	98
<u>Comparative Example 1-8</u>	59.2	35.2	5.2	0.4	27.6	>300	2	0.5	0.5	>300
Example 1-9	66.5	28.8	3.5	1.2	37.1	>300	221	>10	0.6	>300
Example 1-10	63.8	30.3	4.7	1.2	30.9	>300	>300	>10	0.4	>300
<u>Comparative Example 1-11</u>	57.2	37.5	5.3	0	29.4	74	--	0.4	0.9	3
Example 1-12	60.2	32.5	6.5	0.8	28.2	>300	2	7.5	0.6	>300
Example 1-13	60.6	33.5	5.2	0.7	29.1	>300	8	9.8	0.6	>300
Example 1-14	66.9	25.1	7.1	0.9	34.2	>300	32	5.4	0.5	261
Example 1-15	68.7	25.7	4.8	0.8	35.3	>300	55	>10	0.6	>300
Example 1-16	66.1	29.6	3.4	0.9	35.4	>300	191	>10	0.5	>300
Example 1-17	65.2	31.9	2.4	0.5	32.4	>300	9	7.9	0.5	290
<u>Comparative Example 1-18</u>	57.7	30.2	12.1	0	22.2	241	--	1.5	0.6	21
<u>Comparative Example 1-19</u>	63.7	28.8	7.5	0.4	23.6	164	--	1.2	0.8	87
<u>Comparative Example 1-20</u>	59.1	26.4	13.8	0.7	26.1	56	--	2.6	0.8	7
Comparative example 1-3	78.7	20.9	0	0.4	19.8	10	--	1.9	1.6	20